MULTIMEDIA: ILLUSIONS OF THE SENSES

Course explores activation of space via ocular, aural, olfactory and tactile stimulations.

Prerequisites: None.

INTENSIVE INTRODUCTORY COURSE

Course offers students the opportunity to learn the fundamental procedures of holography in one week-ends time, two twelve-hour sessions.

Prerequisites: None.

SPECIAL SEMINARS

Special seminars will be held thruout the year. The seminars concentrate on specific topics and are led by teachers who have distinguished themselves in those particular fields. The fee for a seminar is set at the time of registration.

The Fine Arts Research and Holographic Center maintains a library of books, magazines, articles and videotapes accessible as reference materials to students, as well as books and holographic film available for purchase.

The Fine Arts Research and Holographic Center retains the right to limit class size and to cancel a class because of insufficient enrollment or other administrative reasons with full refund.

• To provide a facility for continuous study, the Holographic Center is making available on a reserved time basis its various holographic systems to qualified holographers at a modest hourly rental fee.

The Fine Arts Research & Holographic Center operates under a policy of total non-discrimination and does not discriminate against student applicants on the basis of race, color and national or ethnic origins.

ACADEMIC CALENDAR

FALL QUARTER 1978

SEPTEMBER 25	CLASSES BEGIN
DECEMBER 2	CLASSES END

WINTER QUARTER 1979

JANUARY 8	CLASSES BEGIN
MARCH 17	CLASSES END

SPRING QUARTER 1979

MARCH 26	CLASSES BEGIN
JUNE 2	CLASSES END

SUMMER QUARTER 1979

JUNE 18	CLASSES BEGIN
AUGUST 25	CLASSES END

CLASS SCHEDULE

Monday

INTERMEDIATE	6:30-9:30

TUESDAY

OPTICS I	6:30-9:30

WEDNESDAY

INTRODUCTORY	6:30-9:30

THURSDAY

OPTICS II	6:30-9:30

FRIDAY

MULTIMEDIA	7:00-9:00
ART & HOLOG.	6:30-9:30
REFLECTION	6:30-9:30

SATURDAY

PHOTOCHEMISTRY	1:00-4:00

TUITION *FALL QUARTER 1978*

Registration requires payment of one-half fee. Full tuition must be paid by the first class day.

Class	Non-Student	Student	Student Taking Class For Credit
INTRODUCTORY	$175	$150	$125
INTERMEDIATE	$200	$170	$125
ADVANCED	$250	$250	$250
OPTICS I	$175	$150	$150
OPTICS II	$200	$170	$170
OPTICS III	$250	$250	$250
PHOTOCHEMISTRY	$150	$130	$110
MULTIMEDIA	$125	$125	$125
ART & HOLOG.	$125	$125	$125

Fine Arts Research & Holographic Center

School of Holography

1134 FINE ARTS RESEARCH HOLOGRAPHIC CENTER

Catalog

1978/79

The School of Holography offers a comprehensive course of study in Holography. We are dedicated to holography as an important Artform and as a developing Technology. The curriculum provides the student with the opportunity to explore the field of holography as an Artist, a Scientist and an Engineer. We believe that a program that encompasses both technical training and philosophical analysis will lead to significant developments in Art and Science.

Classes at the School are scheduled for ten week periods. The academic year is comprised of four periods; Fall, Winter, Spring and Summer Quarters. Registration in any particular Quarter is held until the week before those classes begin. A class schedule is available at the time of registration. Tuition must be paid before the first class meeting.

FACULTY & STAFF

Loren Billings, *Director*

Dr. Tung H. Jeong *Special Consultant*
Rudolph P. Guzik *Special Instructor: Optics, Photochemistry*

Al Ornelas	*Instructor: Art & Holography*
Harold Salaba	*Instructor: Holography*
John Hoffmann	*Instructor: Holography*
Kevin Huotari	*Instructor: Multimedia*
Victor Heredia	*Instructor: Multimedia*
Lon Moore	*Instructor: Image Plane Holography*

• *Course credit may be obtained by students of the University of Illinois, Chicago Circle Campus for studies in holography. The Fine Arts Research & Holographic Center is currently discussing similar affiliation and accreditation with other colleges and universities.*

Fine Arts Research &
Holographic Center

1134 W. Washington Blvd.
Chicago, Ill. 60607
(312) 226-1007

Curriculum and Systems Information

INTRODUCTORY COURSE

Sand box systems with 5 MW LASER, light meter and optical components. Darkroom with processing chemicals and film with a format capability of 4x5.

Course material includes: Technical and Aesthetic history of Holography; Photographic procedure of Holography; and procedures for setting up fundamental Holograms — Single Beam reflection, Single Beam transmission, Multiple Beam reflection, and Multiple Beam transmission.

Prerequisites: None.

INTERMEDIATE COURSE

Optical Bench 4'x10' with 35 MW LASER, light meter and optical components. Darkroom with processing chemicals. 8x10 format capability.

Course material includes: Procedure for making Noise Free Master; Procedure for making hybrid Holograms — Focused Image, Rainbow and Integral White Light Transmission.

Prerequisites: Introductory or equivalent and Portfolio.

ADVANCED COURSE

Optical bench L-shaped 9'x16' with Krypton LASER, 100 MW Helium-Neon LASER, power meters, optical signal processing components. 36x48 and greater format capabilities. Course material will include large format Holograms, Dichromated gelatin Holograms and Optical signal processing.

Students in this course use optical signal processing techniques in independent projects and meet in seminar to discuss current developments in holography.

Prerequisites: It is recommended that the student have a background in contemporary optics and photochemistry.

OPTICS I: LIGHT AND LENSES

An introduction to geometrical optics; the physics and properties of light; the theory and application o reflecting and refracting optics.

Prerequisites: Algebra and trigonometry, high school Physics helpful. Coregistration with INTRODUCTORY holography.

OPTICS II: COHERENCE AND INTERFERENCE

An introduction to physical optics; the physics o coherent and incoherent interference; the theory and application of diffraction analysis.

Prerequisites: OPTICS I or Calculus, Differentia Equations, and Elementary Physics or Geometrica Optics. Coregistration with INTERMEDIATE holography.

OPTICS III: PHYSICS OF HOLOGRAPHY

An introduction to the principles of Holography Fourier Optics; Applications of Holography; and review of current developments.

Prerequisites: OPTICS I & II or partial Differentia Equations, and Physical Optics (or Wave Optics) Coregistration with ADVANCED HOLOGRAPHY.

PHOTOCHEMISTRY

Course describes the actions and processes of silve halide emulsions, photochemicals and non-silver recording.

Prerequisites: None.

ART AND HOLOGRAPHY

Course is designed and dedicated to exploring th potential of Art and aesthetics in Holography with a emphasis on the meaningfulness of art for Art's sak and humanism in art.

Prerequisites: None.